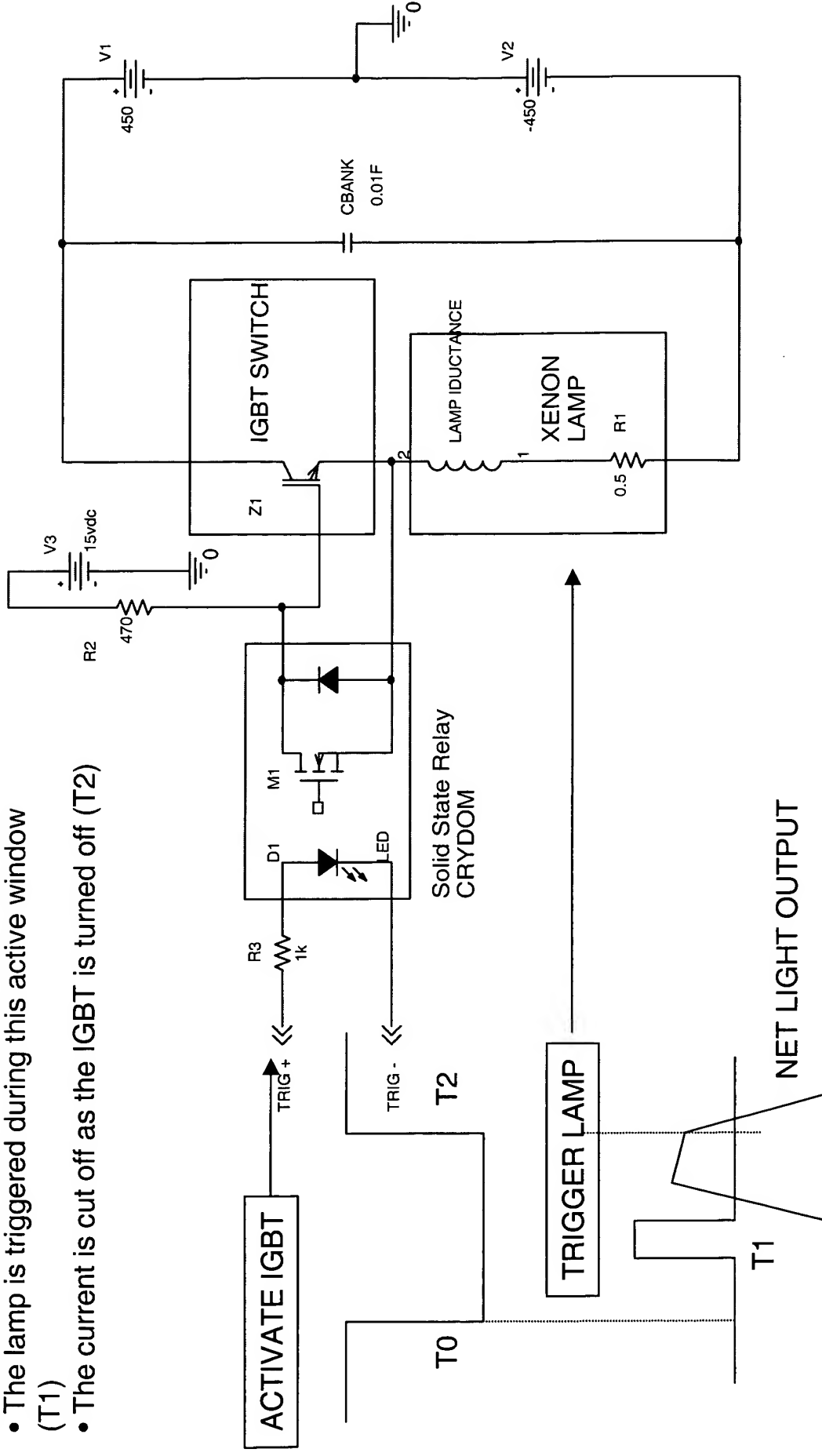


IGBT Based Current Control Circuit for IR LAMP

- Active low pulse turns on the IGBT Switch, allows current flow (T0).
- The lamp is triggered during this active window (T1)
- The current is cut off as the IGBT is turned off (T2)

Fig.1



LAMP DECAY WITH NO IGBT IN
CIRCUIT - full decay

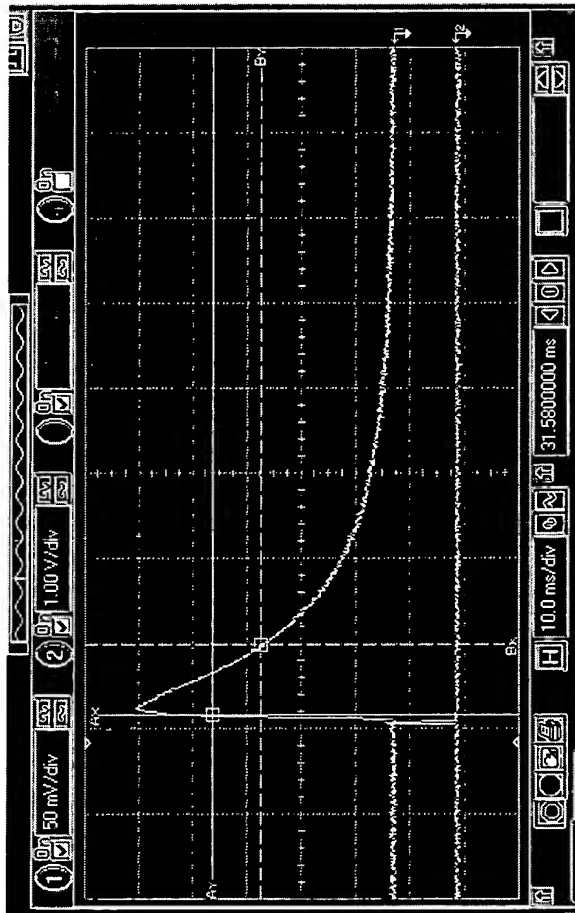


Fig. 2

Fig 3.

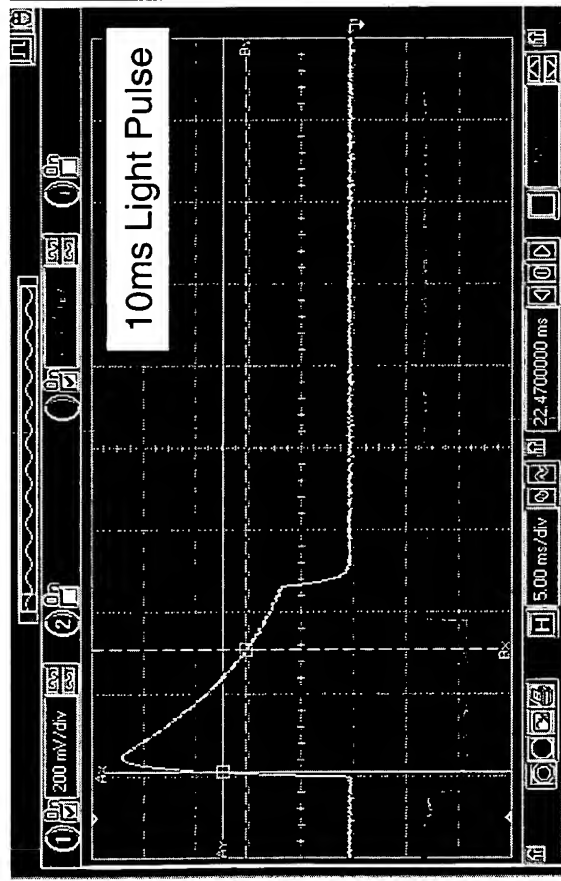
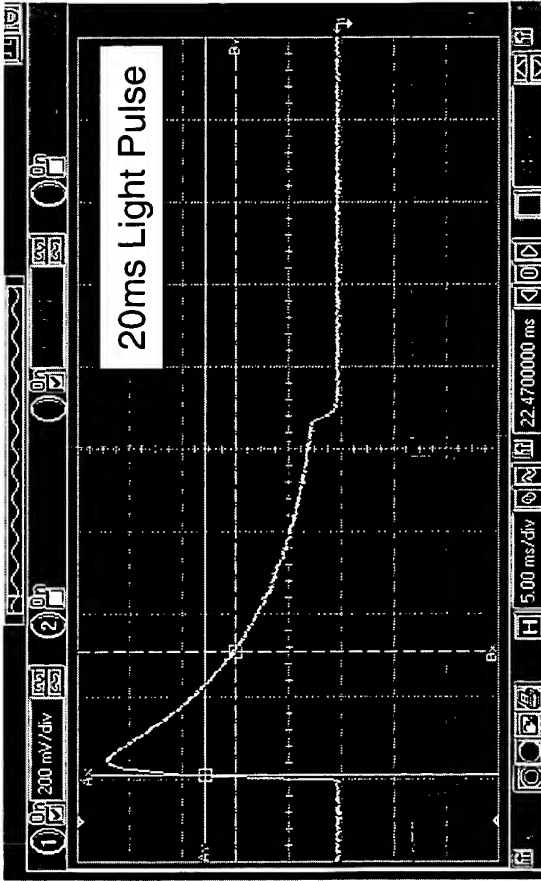


Fig 4.

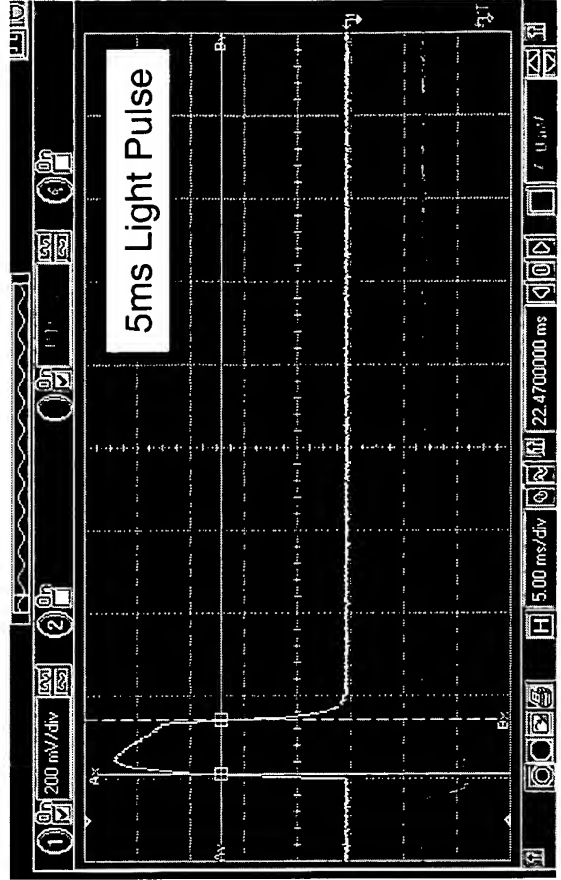


Fig 5.

Fig 6.

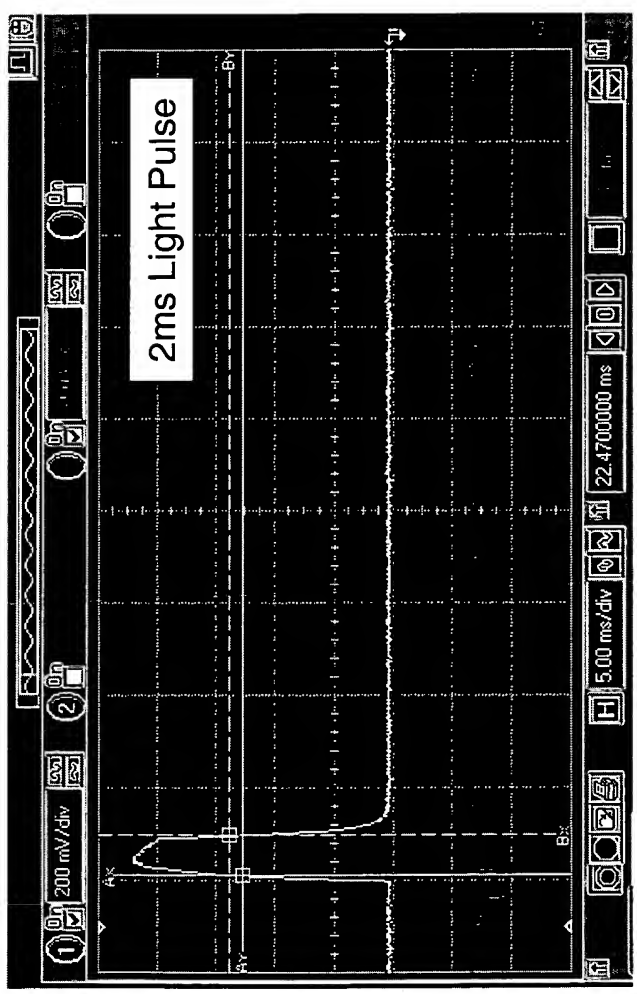


Fig 7.

